In the Claims

1-18. (Canceled)

19. (Currently Amended) A quick connector assembly for a welding-type device comprising:

a cable adapter connectable to a welding cable and having a cable end and a welding device end;

a device adapter constructed to engage the welding device end of the cable adapter and comprising:

a body having a first end and a second end;

a recess extending into the body from the first end;

a threaded section formed in the recess proximate the first end;

a smooth section formed in the recess between the threaded section and the second end~~.~~; and

wherein the device adapter further comprises another recess extending into the body from the second end and fluidly connected to the first recess.

20. (Original) The quick connector assembly of claim 19 wherein at least one of the cable adapter and the device adapter are at least partially constructed from at least one of a tellurium copper alloy, a sulfur copper alloy, and a chromium copper alloy.

21. (Canceled)

22. (Original) The quick connector assembly of claim 19 wherein the body of the device adapter further comprises a first threading formed about an outside surface about the second end and a second threading formed about a circumference of the another recess.

23. (Canceled)

24. (Original) The quick connector assembly of claim 19 wherein the device adapter further comprises a ledge formed in the recess generally between the threaded section and the smooth section.

25. (Original) The quick connector assembly of claim 19 wherein the device adapter further comprises a first channel and a second channel extending axially through the threaded section formed in the recess.

26. (Original) The quick connector assembly of claim 25 wherein the first and second channels are on generally opposite sides of the threaded section of the recess.

27. (Original) The quick connector assembly of claim 19 wherein the welding device end of the cable adapter further comprises an unthreaded portion and a threaded portion.

28. (Original) The quick connector assembly of claim 27 wherein the unthreaded portion is closer to an end of the cable adapter than the threaded portion.

29. (Original) The quick connector assembly of claim 19 wherein the device adapter is constructed to be connected to a device capable of outputting a power signal suitable for welding and the cable adapter is arranged to communicate the power signal to the welding cable.

30. (Original) The quick connector assembly of claim 29 wherein the power signal suitable for welding is capable of sustained currents of approximately 700 amps.

31. (Original) The quick connector assembly of claim 19 wherein the cable adapter and the device adapter are fully connectable within one wrist-turn rotation therebetween.

32. (Original) The quick connector assembly of claim 19 wherein the threaded section of the recess of the device adapter has a pair of channels extending across the threaded section, the channels having a diameter similar to a diameter of the smooth section formed in recess and less than an inner diameter of the threaded section.

33. (Currently Amended) A quick connector assembly for a welding-type device comprising:

a cable adapter connectable to a welding cable and having a cable end and a welding device end;

a device adapter constructed to engage the welding device end of the cable adapter and comprising:

a body having a first end and a second end;

a recess extending into the body from the first end;

a threaded section formed in the recess proximate the first end;

a smooth section formed in the recess between the threaded section and the second end; and

~~The quick connector assembly of claim 19~~ wherein the welding device end of the cable adapter includes a shouldered shank at an end thereof and a threaded section between the shouldered shank and the cable end of the cable adapter.

34. (Original) The quick connector assembly of claim 33 wherein the shouldered shank includes a pair of shoulders extending from generally opposite sides thereof.

35. (Original) The quick connector assembly of claim 33 further comprising a pair of planar surfaces extending along generally opposite sides of the shouldered shank and the threaded section of the cable adapter.

36. (Original) The quick connector assembly of claim 33 wherein the shouldered shank of the cable adapter is constructed to pass uninterruptingly across the threaded section of the device adapter and engage the smooth section upon rotation therebetween.

37. (Original) The quick connector assembly of claim 33 wherein an outer diameter of the shouldered shank is greater than an outer diameter of the threaded section of the cable adapter and is greater than an inner diameter of the threaded section of the device adapter.

38-69. (Canceled)

70. (Previously Presented) A connector assembly comprising:

a cable connector connectable to a weld cable;

an output connector electrically connectable to a power source configured to generate a power signal suitable for welding applications;

an insulator positioned about the output connector and constructed to be secured to a housing positioned about the power source, the insulator including a first body having a boss and a second body having a recess, the boss of the first body constructed to engage the housing and be snuggly received in the recess of the second body; and

wherein at least one of the cable connector and output connector are constructed from at least one of a tellurium copper material, a sulfur copper material, and a chromium copper material

71. (Original) The connector assembly of claim 70 wherein the output connector is engageable with the cable connector from an initial position to a fully engaged position in less than 180 degrees of rotation.

72. (Original) The connector assembly of claim 70 wherein the power source is constructed to generate a power signal suitable for welding with up to approximately 700 amps.

73. (Original) The connector assembly of claim 70 wherein the output connector has a path formed therethrough constructed to circulate a cooling flow through the connector assembly.

74-75. (Canceled)

76. (Original) The connector assembly of claim 70 wherein the cable connector further comprises a cable portion connectable to the weld cable and a stud portion engageable with the output connector, the stud portion having an unthreaded portion and a threaded portion.

77. (Original) The connector assembly of claim 73 wherein the output connector further comprises an unthreaded portion constructed to engage the unthreaded portion of the cable connector and a threaded portion constructed to engage the threaded portion of the cable connector.

78. (Original) The connector assembly of claim 77 wherein the unthreaded portion of the cable connector further comprises a pair of shoulders extending therefrom constructed to snuggly engage the unthreaded portion of the output connector upon rotation therebetween.

79. (Original) The connector assembly of claim 78 wherein the threaded portion of the output connector further comprises a pair of channels constructed to allow uninterferred passage of the pair of shoulders of the cable connector through the threaded portion of the output connector.

80. (Original) The connector assembly of claim 78 wherein the cable connector is not rotatable relative to the output connector when the pair of shoulders are generally aligned with the threaded portion of the output connector.

81. (Original) The connector assembly of claim 78 wherein an outer diameter of the pair of shoulders is greater than an outer diameter of the threaded portion of the stud portion of the cable connector.

82-84. (Canceled)

85. (Original) A weld-power quick connector comprising:

a receptacle having a recess formed therein;

a cable connector constructed to connect to a weld cable;

a stud extending from the cable connector constructed to be received in the recess of the receptacle, the stud having a threaded portion and a shoulder portion wherein the shoulder portion is located closer to an end of the cable connector than the threaded portion and has a diameter that is greater than an outer diameter of the threaded portion.

86. (Original) The weld-power quick connector of claim 85 wherein the recess has a threaded section and smooth section wherein the threaded section is located closer to an end of the receptacle than the smooth section.

87. (Original) The weld-power quick connector of claim 85 wherein the threaded section of the recess engages the threaded portion of the stud and the smooth section engages the shoulder portion of the stud upon rotation of the cable connector relative to the receptacle thereby receiving the cable connector to the receptacle.

88. (Original) The weld-power quick connector of claim 86 further comprising at least one channel formed in the threaded section of the recess constructed to allow passage of the shoulder portion of the stud therethrough.

89. (Original) The weld-power quick connector of claim 85 wherein a pair of generally planar surfaces truncate generally opposite sides of the stud of the cable connector.

90. (Original) The weld-power quick connector of claim 85 wherein the cable connector is engageable with the receptacle from an inserted position to a locked position with a single-grip rotation therebetween.

91. (Original) The weld-power quick connect of claim 85 wherein the shoulder portion of the stud has an outer diameter that is greater than an inner diameter of a threaded section of the recess of the receptacle and is engageable therebehind.

92. (Original) The weld-power quick connector of claim 85 wherein at least one of the receptacle and cable connector are constructed from a tellurium copper material.

93-109. (Canceled)